

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

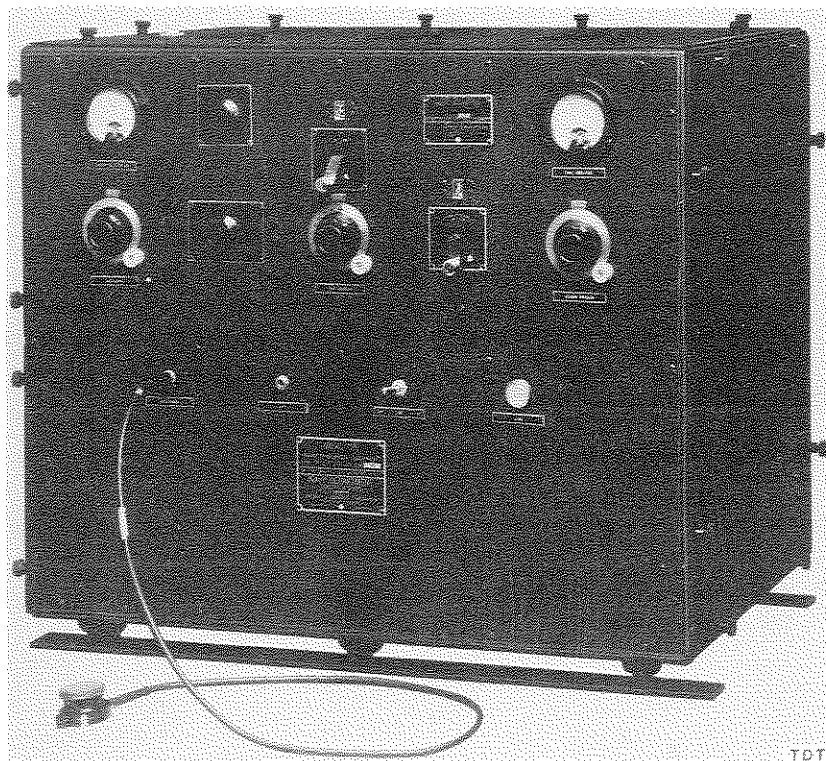
DATE OF THIS SHEET: 9 May 52

AN/GRT-TYPE

SERVICE TYPE NUMBER:

TDT

RADIO TRANSMITTING EQUIPMENT



Radio Transmitting Equipment TDT is a single-channel, general purpose, semiportable, v-h-f equipment designed for air-traffic control, and point-to-point use.

A crystal oscillator provides frequency control.

A quarter-wave vertical antenna, adjustable for various frequency ranges, is supplied. Relay keying speeds of 40 wpm are possible.

The equipment has shock mounts for table, or bench mounting.

AN/GRT-TYPE		INSTRUCTION LITERATURE: NavShips 95337
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter CKV-52322	26-3/4 x 31-1/2 x 26-1/2	400.0
1	Antenna Assembly CKV-66091	28-3/8 x 49-1/2 x 49-1/2	16.5

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations, airport control towers, or aeronautical ground stations.

INSTALLATION: Ground.

APPROXIMATE RANGE (IN MILES): Line of sight.

CAN COMMUNICATE WITH: AN/ARC-1, -3, -5, -18, -28, -36; AN/CRC-2; AN/FRC-7; AN/GRC-30; AN/MRC-20, -22; AN/PRC-17, -20; AN/TRC-7; AN/TRQ-1; AN/URC-4; AN/URR-12, -21; AN/VRC-1; BC-639, -797, MAR; MBS; R-137/GR; RBK; RBQ; RC-256; RCK; RCO; SCR-522, -542, -574, -575, -607, -616, -624, -641, -644.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 115- 156.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice, mcw.

POWER OUTPUT: 35 w.

POWER REQUIREMENTS: 750 w, 110 - 120 v, 50/60 cyc, 1 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Transmitting Equipment TDT measures 26-3/4 x 31-1/2 x 26-1/2 inches, net weight 451.5 pounds. Packed for domestic shipment: total weight 640 pounds, total volume 33 cu ft, 0.83 ship ton. Shipped in 3 packages.